## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO  | DATE     |
|---------------------------|----------|--------|----------|
| FEE DETERMINATION         | merion   |        | 04-12-01 |
| O.I.P.E. CLASSIFIER       | Low      | 32     | 5/9      |
| FORMALITY REVIEW          | 112 0    | TC-916 | 05-11-01 |
| RESPONSE FORMALITY REVIEW | 2/b      | 1091   | 8-20-01  |

## **INDEX OF CLAIMS**

| Rejected                                       | N Non-elected |
|--|---------------|
| = Allowed                                      | IInterference |
| <ul> <li>(Through numeral) Canceled</li> </ul> | A Appeal      |
| ÷ Restricted                                   | O Objected    |

|              |       |        |          |          |     |          | ÷         |   |          | ••••      | ••••          | • • • •  | ••••     | ••••     | ••••     |
|--------------|-------|--------|----------|----------|-----|----------|-----------|---|----------|-----------|---------------|----------|----------|----------|----------|
| Cla          | im    |        |          |          | _   |          | Dat       | e |          |           |               |          |          |          |          |
|              |       | =      | 00       |          | Γ   | Т        |           | Γ | Т        |           |               | Τ        | Т        | ᅥ        |          |
| _            | inal  | ا≊     | Ţ        |          |     |          |           |   | ı        |           |               |          | ١        | - 1      |          |
| Final        | Origi | Ę      | Ē        |          | ļ   | 1        |           |   |          |           |               |          |          |          |          |
| -            | 7     | V      | V        | _        | +   | +        |           | H | +        |           | _             | +        | +        | ᅱ        |          |
|              | 1     | V      | ٠,       |          | ╀   | +        |           | ├ | +        |           | _             | +        | $\dashv$ | ᅥ        |          |
|              | 2     | -      | V        |          | ╀   | 4        | _         | Ļ | +        |           |               | +        | +        |          |          |
|              | 3     | $\leq$ | V        |          | L   | 4        |           | L | 4        |           | <u> </u>      | 1        | 4        |          |          |
|              | 4     | /      | V        |          | Ļ   | _        |           | L | 4        |           | L             | 4        | -        |          |          |
| _            | 5     |        | V,       |          | 1   |          |           | L | _        |           | _             | ļ        | _        |          |          |
| \            | 9     | 1      | 2        |          | 1   |          |           | L | _        |           | L             | 1        | _        |          |          |
|              | 7     |        | V        |          | L   |          |           | L |          |           | L             | 1        |          |          |          |
|              | 8     | 2      | 1        |          | L   |          |           |   |          |           |               | 1        |          |          |          |
|              | 9     | Γ      | 1        |          |     |          |           |   |          |           |               |          |          |          |          |
|              | 10    | 17     | V        |          | T   |          |           | Τ |          |           |               | T        |          |          |          |
|              | 11    |        | V        | Г        | Ť   |          |           | 1 |          |           |               | 1        |          |          |          |
|              | 12    | 4      | J        |          | †   | _        |           | Ť | 一        |           | T             | †        |          |          |          |
|              | 13    |        | 17       | -        | †   | _        |           | t |          |           | 1             | †        |          |          |          |
| $\vdash$     | 14    |        | ゼ        | -        | +   | _        | _         | + | -        | _         | t             | †        |          | $\vdash$ | 1        |
| <del> </del> | 15    |        | U        | +-       | +   |          | ┢┈        | + | $\dashv$ |           | +             | +        |          | -        | l        |
|              |       |        | 1        | ⊢        | +   |          | $\vdash$  | + | -        |           | ╁             | +        |          | $\vdash$ | 1        |
| -            | 16    |        | ۲        | $\vdash$ | +   |          |           | + |          |           | +             | +        |          | -        | 1        |
| <u> </u>     | 17    | +      | ╄        | -        | +   |          | ┡         | + |          |           | ╀             | +        |          | -        | 1        |
| <u> </u>     | 18    |        |          | -        | 4   | _        | <u> </u>  | 1 |          | ļ         | +             | 4        |          | 1        | -        |
| L_           | 19    | 1      | L        | L        | 4   |          | _         | 1 |          |           | ╄             | 4        |          | ļ        | 1        |
| ļ            | 20    | 1      |          |          |     |          |           |   |          |           | L             |          |          |          |          |
|              | 21    |        |          |          | Т   |          |           | T |          |           |               |          |          | ľ        |          |
| $\vdash$     | 22    |        |          | Г        | 1   |          |           | Ť |          |           | T             | ٦        |          | Г        | 1        |
| Н            | 23    |        | $\vdash$ | T        | 7   |          | T         | 1 |          | _         | T             |          |          |          | 1        |
| H            | 24    |        | T        | 1        |     | _        | T         | † |          | Г         | T             |          |          |          | 1        |
| H            | 25    | +      | +        |          | es: |          | ╁         | † |          |           | $^{\dagger}$  | 1        |          | 1        | 1        |
| -            | 26    | —      | ╁        | ╁        | +   |          | $\vdash$  | + |          | -         | +             | 7        |          | $\vdash$ | 1        |
| ┢            | 27    | -      | +        | ╁        | +   |          | ╁         | + |          | ┝         | +             | $\dashv$ |          | +-       | 1        |
| -            | _     | -      | ╀        | ╀        | 4   |          | ┾         | + |          | ┝         | +             | -        |          | +        | ┨        |
| $\vdash$     | 28    | -      | ┼-       | ╄        | 4   |          | ╀-        | 4 |          | ├-        | +             | -        | -        | -        | 4        |
| _            | 29    |        | 1        | ╄        | 4   | _        | 1         | 4 |          | 1         | $\downarrow$  | _        | _        | ┺        | 4        |
| L            | 30    |        | _        | 1        | 4   |          | 1         | 4 |          | 1         | 4             | _        | _        | 1-       | 4        |
| L            | 3     | -      | _        | 1        |     |          | 1         | 4 |          | L         | 1             | _        | _        | 1_       | 1        |
| Ĺ            | 32    |        | $\perp$  | L        |     |          | L         |   | _        | L         | 1             |          | L        | 1_       | 1        |
|              | 3     | 3      | $\perp$  | L        |     | L        | L         |   |          |           | $\perp$       |          | L        | 1        |          |
| Γ            | 34    | 1      | T        |          |     |          |           |   |          | Γ         | I             |          |          |          |          |
|              | 3!    | 5      | T        | 1        |     |          | Γ         | ٦ |          | Γ         | T             |          |          |          |          |
|              | 36    | 3      | T        | Τ        |     |          | Τ         | ٦ |          | Τ         | 1             |          |          | Т        |          |
|              | 3     |        | $\top$   | T        | -   |          | T         | ٦ |          | T         | 1             |          |          | Т        | ٦        |
| $\vdash$     |       | В      | +-       | T        | _   |          | 1         | _ |          | $\dagger$ | †             |          | Γ        | 1        | 1        |
| $\vdash$     |       | ı,     | +        | +        | _   | -        | T         | - | _        | +         | $^{+}$        |          | Т        | +        | 7        |
| $\vdash$     | 3     | 2      | +-       | +        | _   | $\vdash$ | +         | - |          | +         | +             |          | $\vdash$ | +-       | $\dashv$ |
| -            | -     |        | +        | +        |     | -        | +         | _ | -        | +         | +             | -        | -        | +        | 4        |
| L            | 4     |        | 4        | 1        | _   | <u>L</u> | 4         | _ | <u> </u> | +         | 4             | _        | L        | 1        | 4        |
| L            | 4:    |        | 1        | 4        |     | _        | 1         |   | L        | 1         | 4             | _        | 1        | $\bot$   | 4        |
| L            | 4     | 3      |          | 1        |     | L        | 1         |   | L        | $\perp$   | ┙             | _        | L        | 1        | ╛        |
|              | 4     | 4      | T        | T        | _   |          |           | _ |          |           | _[            |          | L        |          |          |
| Г            | 4     | 5      | $\top$   | T        |     | Γ        | T         | _ |          | T         | T             | _        |          |          | ]        |
|              | 4     | 6      | 1        | 1        |     | Γ        | 7         | _ | Γ        | Τ         |               |          | Γ        | T        | ٦        |
|              | 4     | _      | $\top$   | +        |     | T        | $\dagger$ | _ | Γ        | T         | $\dashv$      | _        | T        | $\top$   | ٦        |
| -            |       | 8      | +        | +        |     | $\vdash$ | +         | _ | $\vdash$ | +         | +             | _        | t        | 十        | 7        |
| $\vdash$     |       | 9      | +        | +        |     | ╁╌       | +         |   | $\vdash$ | +         | +             |          | ۲        | ╁        | $\dashv$ |
| L            |       | ٧,     | $\perp$  | _        | _   | ↓-       | 4         | _ | ├-       | +         | $\rightarrow$ |          | 4-       |          | -1       |

| F        | lestri        | cte | d        |              |        |          |   |    | 0            |   | ••••         | •••          | •••    | ••••     |          |
|----------|---------------|-----|----------|--------------|--------|----------|---|----|--------------|---|--------------|--------------|--------|----------|----------|
| Cla      | im            |     | _        |              |        |          | D | at | e            | _ |              |              | _      | _        |          |
|          | Original      |     |          |              |        |          |   |    |              |   |              |              |        |          |          |
| Fina     | ნ<br>51       | +   | 4        |              | +      |          | - | 4  | _            | + |              | _            | +      | -        | $\dashv$ |
| -        | 52            | +   | -        | -            | t      |          | H | _  | -            | + |              | H            | +      | $\dashv$ | $\neg$   |
|          | 53            | +   |          |              | +      |          | + |    | -            | + |              | H            | +      | $\dashv$ |          |
|          | 54            | +   | -        |              | $^{+}$ |          | H | -  | -            | + |              | -            | $^{+}$ | -        | -        |
|          | 55            | +   |          |              | †      | -        | - |    | H            | 1 | _            |              | +      |          |          |
| _        | 56            | 7   |          | -            | †      |          | t | _  |              | 1 | _            | T            | 7      |          |          |
|          | 57            | +   | _        |              | t      |          | T |    | Г            | 7 |              | Г            | 1      |          |          |
|          | 58            |     |          |              | 1      |          | T |    |              | 1 |              | Г            | 1      |          |          |
|          | 59            | 7   |          |              | 1      |          | Γ |    |              |   |              |              |        |          |          |
|          | 60            |     |          |              | T      |          | I |    |              |   |              | L            |        |          |          |
|          | 61            |     |          |              |        |          |   |    |              |   |              |              |        |          |          |
|          | 62            |     |          |              |        |          |   |    |              |   |              | L            |        |          |          |
| L        | 63            |     |          | L            |        |          | 1 | _  | L            |   | L            | L            | _      |          |          |
| _        | 64            |     |          | L            | _      | _        | 1 |    | L            |   | _            | $\downarrow$ | 4      |          |          |
| _        | 65            | _   |          | L            | 4      |          | 1 |    | L            |   | L            | Ļ            | 4      | _        | <u> </u> |
| L        | 66            | _   |          | 1            |        |          | 1 |    | 1            |   | _            | Ļ            | _      |          | ļ_       |
| L        | 67            |     |          | 1            | _      | _        | 4 | _  | +            |   | <u> </u>     | +            | 4      | _        |          |
| _        | 68            | _   |          | Ļ            | _      |          | + |    | ╀            |   | -            | +            | _      | _        | ┢        |
| L        | 69            | _   |          | ╄            | _      | _        | + |    | r            |   |              | +            | _      | -        | -        |
| <u>_</u> | 70            |     |          | 1            | _      | L        | 1 | _  | 4            |   | _            | +            | _      | _        | <u> </u> |
| _        | 71            | _   |          | 1            | _      | L        | 4 |    | +            |   | -            | 4            | _      | _        | ╁        |
| -        | 72            | _   |          | ╄            |        | <u> </u> | 4 |    | +            |   | -            | +            |        | -        | ╁        |
| L        | 73<br>74      | _   | _        | $\perp$      |        | H        | + | -  | ╁            |   | ╀            | +            | _      | -        | +        |
| H        | $\rightarrow$ | -   |          | +            | -      | -        | + | _  | +            | - | +            | +            |        | H        | +        |
| -        | 75<br>76      |     |          | +            | _      | H        | + |    | +            |   | $\vdash$     | ╁            | _      | ┝        | +        |
| Н        | 77            |     | -        | +            |        | ┝        | + |    | +            | - | ┝            | $^{+}$       | -      | -        | +-       |
| -        | 78            |     |          | ╁            | -      | H        | + | -  | +            |   | ╁╴           | +            | _      | -        | +-       |
| -        | 79            | •   | ┝        | +            | _      | -        | + |    | +            | - | t            | +            |        | H        | ╁╴       |
| -        | 80            |     | $\vdash$ | +            | -      | H        | 1 |    | +            | _ | +            | $\dagger$    |        |          | ╁        |
| H        | 81            |     | -        | +            | -      | r        | 1 |    | †            |   | +            | +            |        |          | $\top$   |
| $\vdash$ | 82            |     |          | $^{\dagger}$ |        | t        | 1 | _  | +            |   | t            | 1            |        | Т        | +        |
|          | 83            |     | Г        | 1            |        | T        | ٦ | _  | 1            |   | T            | 1            |        |          |          |
|          | 84            |     | T        | Ť            |        |          |   | _  |              |   | T            | 1            |        | Τ        | 1        |
| Г        | 85            |     |          | 1            |        | Γ        |   |    | 1            |   | Τ            |              |        |          |          |
|          | 86            |     |          | I            |        |          |   |    |              |   | L            |              |        |          |          |
|          | 87            |     | Ľ        | I            |        | ľ        |   |    | 1            |   | L            | 1            |        |          | L        |
|          | 88            |     |          | 1            |        |          |   |    | 1            |   | ┸            | 1            |        | ┸        | $\perp$  |
| L        | 89            | L   | L        | 1            | _      | _        | _ | L  | 1            |   | $\downarrow$ | 4            | _      | ╀        | $\perp$  |
| L        | 90            |     |          | 1            |        | L        | _ | L  | _            |   | $\perp$      | 1            |        | L        | $\perp$  |
| L        | 91            |     | L        |              |        | L        |   | L  | _            |   | l            |              |        | L        | $\perp$  |
| L        | 92            | -   | L        |              |        | L        |   | L  | _[           |   | 1            | 1            | _      | L        | 1        |
| L        | 93            | -   | 1        | 1            |        | 1        |   | L  | 4            | _ | $\downarrow$ | _            | _      | 1        | $\perp$  |
| L        | 94            | -   | _        | 1            |        | 1        |   | L  | $\downarrow$ |   | 1            |              |        | 1        | 1        |
| L        | 95            | +-  | 1        | 1            |        | 1        |   | L  | 4            |   | -            | _            |        | +        | -        |
| -        | 96            | -   | 1        | 1            |        | 1        | _ | L  | 1            |   | 1            | _            |        | 1        | 1        |
| -        | 97            |     | 4        | 1            | _      | +        |   | 1  | 4            |   | +            | 4            |        | +        | +        |
| $\vdash$ | 98            |     | +        | +            | _      | +        |   | 1  | 4            | _ | +            | -            |        | +        | +        |
| - 1      | 199           | 1   | ı        | - 1          |        | 1        |   | 1  | ı            |   | - 1          | - 1          |        | 1        |          |

|          |            |                 |              |          |        |   |   | _        | _  |          |          | _        |              |   |           |   | _        |
|----------|------------|-----------------|--------------|----------|--------|---|---|----------|----|----------|----------|----------|--------------|---|-----------|---|----------|
| Cla      | im         | · · · · ·       | _            | _        |        | _ | _ | D        | at | e        | 1        |          | 1            | _ | _         | _ | _        |
| Final    | Original   |                 |              |          |        |   |   |          |    |          |          |          |              |   |           |   |          |
| ш        |            |                 | _            | +        |        | L | _ | _        | 4  |          | +        |          | ╀            |   |           | + | 4        |
|          | 101        | _               | _            | 4        |        | L | _ | _        | 4  |          | 4        | -        | ╀            | 4 |           | + | -        |
|          | 102        |                 | -            | 4        | _      | - |   | H        | 4  |          | 4        |          | ╀            | - |           | + | $\dashv$ |
|          | 103        |                 | L            | 4        | _      | L | _ | L        |    | _        | 4        |          | $\downarrow$ | _ |           | + |          |
|          | 104        |                 | _            | 4        | _      | ╀ |   | _        | _  |          | +        |          | +            | _ |           | + | $\dashv$ |
|          | 105<br>106 |                 |              | 4        | _      | ╀ |   | H        | _  | -        | $\dashv$ |          | +            | - |           | + | $\dashv$ |
|          | 107        |                 | -            | +        | _      | ╁ | - | $\vdash$ |    | _        | +        |          | +            |   | _         | + | $\dashv$ |
|          | 108        |                 | H            | +        |        | ╀ |   | ┞        | -  | H        | -        |          | +            |   | _         | + | $\dashv$ |
| -        | 109        |                 | H            | +        | -      | + |   | -        |    | H        | $\dashv$ | -        | +            |   | H         | + | $\dashv$ |
| -        | 110        | +               | ╁            | +        | _      | ╁ | _ | H        | -  | -        | -        |          | +            |   | H         | + | $\dashv$ |
|          | 111        |                 | ├            | +        |        | t |   | H        | _  | H        | $\dashv$ | _        | +            | - | -         | + | -        |
| H        | 112        | -               | -            | -        |        | + |   | t        |    | $\vdash$ | -        | -        | +            |   | H         | + |          |
| $\vdash$ | 113        |                 | $^{\dagger}$ | -        |        | + |   | +        | _  | H        | _        | $\vdash$ | +            |   | H         | + |          |
| -        | 114        |                 | +            | ٦        |        | + |   | t        |    | t        |          | $\vdash$ | +            | _ | T         | + |          |
| -        | 115        |                 | t            | $\dashv$ | _      | † | _ | t        |    | t        |          | -        | †            | - | t         | 1 |          |
|          | 116        |                 | T            | 7        |        | † |   | t        |    | T        |          |          | 1            |   | T         |   |          |
|          | 117        | 7               | Ť            | _        |        | 1 |   | Ť        | -  | T        |          | Г        | 1            |   |           |   |          |
| Γ        | 118        | 3               |              |          |        | 1 |   | T        |    | I        |          |          |              |   |           |   |          |
|          | 119        | 9               | T            |          |        |   |   |          |    | Ī        |          |          |              |   |           |   |          |
|          | 120        | ٦               | T            |          |        |   |   |          |    |          |          |          | ١            |   | l         |   |          |
| Г        | 12         | 1               | T            |          |        | 1 |   | T        |    | Ι        |          |          |              |   | Ι         |   |          |
| Г        | 122        |                 | T            |          |        |   |   |          |    | I        | _        | L        |              |   |           |   |          |
|          | 12         |                 |              |          | L      |   |   | 1        |    | 1        |          | L        |              |   |           |   | _        |
| L        | 12         |                 | 1            |          | L      |   |   | 1        |    | 1        |          | -        |              |   | 1         |   |          |
|          | 12         |                 | 1            |          | L      |   |   | 4        | _  | 1        |          | Ļ        |              | L | 1         |   | _        |
| $\vdash$ | 120        |                 | 1            |          | 1      | _ |   | 4        |    | +        |          | Ļ        |              | - | +         |   | _        |
| $\vdash$ | 12         |                 | +            |          | ┞      | _ |   | 4        |    | +        |          | ╀        |              | ┝ | +         |   | ┝        |
| -        | 12         |                 | +            |          | ╁      |   | _ | +        | _  | +        |          | ╀        | _            | - | +         |   | ⊢        |
| -        | 13         |                 | +            | -        | ╀      | - | _ | +        |    | +        |          | ╀        |              | - | ╁         | _ | ⊢        |
| $\vdash$ | 13         |                 | +            |          | ╁      | _ | - | +        | _  | +        | -        | +        |              | ┝ | +         |   | -        |
| $\vdash$ | 13         |                 | +            | _        | ╁      | _ | - | +        | -  | +        |          | $^{+}$   | _            | H | +         | _ | -        |
| -        | 13         |                 | +            | _        | +      | _ | H | +        | _  | +        |          | t        | _            | H | $\dagger$ |   | ┢        |
| H        | 13         |                 | +            | _        | t      | _ |   | 1        |    | †        |          | t        |              | ┢ | +         |   | T        |
| -        | 13         |                 | 7            |          | †      |   | Г |          |    | 1        |          | †        | _            | 1 | 1         |   | T        |
|          | 13         | 16              | 1            |          | T      | _ | Т |          | _  | 1        |          | T        |              | Γ | 1         |   | Γ        |
|          | 13         | 37              | T            |          | Ī      | _ |   |          |    |          |          |          |              |   |           |   |          |
|          | 13         |                 |              |          | Ī      |   |   |          |    |          |          | I        |              |   |           |   |          |
|          | 13         | 19              |              |          | I      |   | L |          |    |          |          |          |              | L |           |   | L        |
|          | 14         |                 |              |          | L      |   |   |          |    |          |          |          |              | _ | 1         |   | L        |
|          | 14         | 41              | $\int$       | _        | $\int$ |   | Ĺ |          |    |          |          |          | _            | L |           |   | L        |
|          |            | 42              | J            |          | I      |   | Ĺ |          | Ĺ  | _        |          | 1        |              | L | ļ         |   | 1        |
|          |            | 43              | _[           |          | 1      | _ | 1 |          | L  |          |          | 1        | _            | 1 | _         |   | 1        |
| L        | 14         | 44              |              |          | 1      |   | L |          |    |          | _        | 1        | _            | 1 | 1         |   | 1        |
|          |            | 15              | _            |          | 1      |   | 1 |          |    |          |          | 1        |              | 1 | -         |   | 1        |
| L        | 14         | 46              | _            |          | 1      |   | L | _        | L  | _        | L        | 4        | _            | + | 4         | _ | +        |
| L        | 14         | 47              |              |          | +      | _ | 1 |          | L  | _        | H        | 4        |              | + | 4         |   | +        |
| -        |            | 48              | 4            | _        | +      | _ | + |          | -  | _        | -        | +        | _            | + | 4         | _ | +        |
| -        | 1.         | 49<br>50        |              | _        | +      |   | + |          | +  | _        | -        | +        |              | + | -         | _ | +        |
| L        | p:         | ou <sub>l</sub> |              | _        | L      |   | L | _        | _  | _        | Ц.       |          | _            |   |           |   | Т.       |

If more than 150 claims or 10 actions staple additional sheet here

(LEFT INSIDE)



